

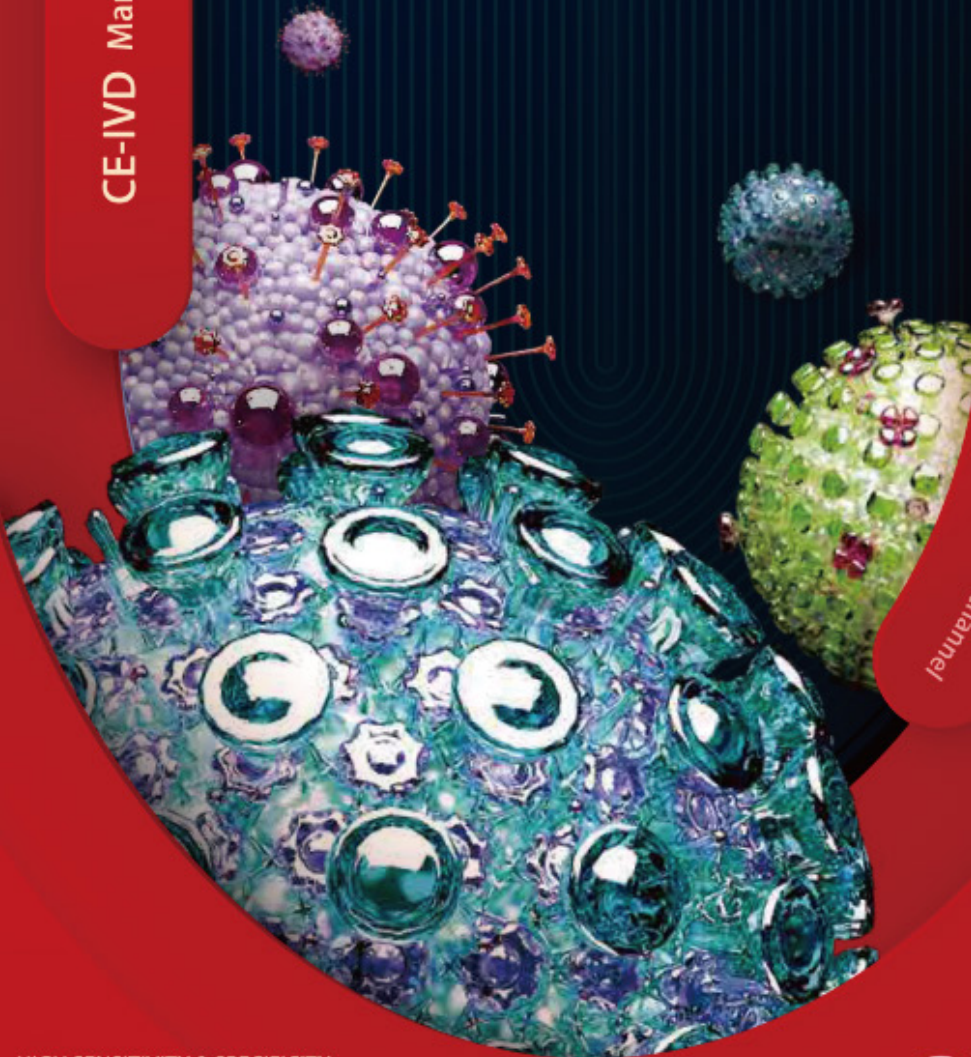


# RV Master Assay

One tube, primary screening for  
8 types of major respiratory viruses

SARS-CoV-2 · Flu A · Flu B · RSV · MPV · AdV · HRV · PIV

CE-IVD Marked



World's 1st technology Individual Ct value of multiple analytes in a single channel



HIGH SENSITIVITY & SPECIFICITY

Multiplex real-time PCR with high sensitivity and specificity by  
Seegene's innovative proprietary technologies





# Allplex™ RV Master Assay

One tube, primary screening for SARS-CoV-2, Flu A, Flu B, RSV, MPV, AdV, HRV and PIV

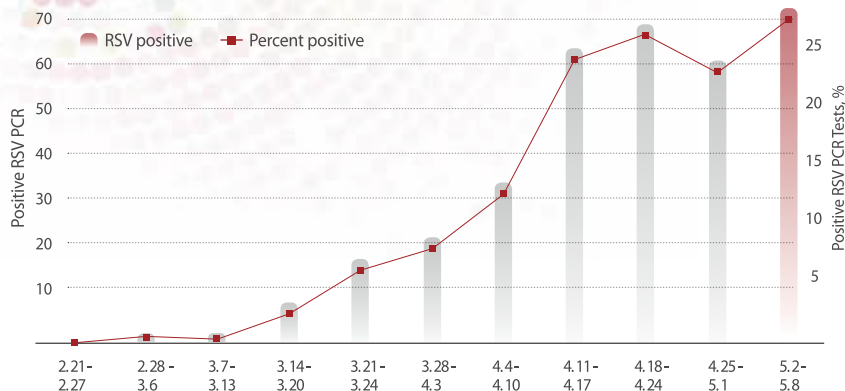


Figure. Weekly RSV positive cases in numbers from March 1 to May 8, 2021\*

\*Agha R, Avner JR. (2021) Delayed Seasonal RSV Surge Observed During the COVID-19 Pandemic. Pediatrics, 148(3):e2021052089

## Why You Need Seegene RV Master Assay

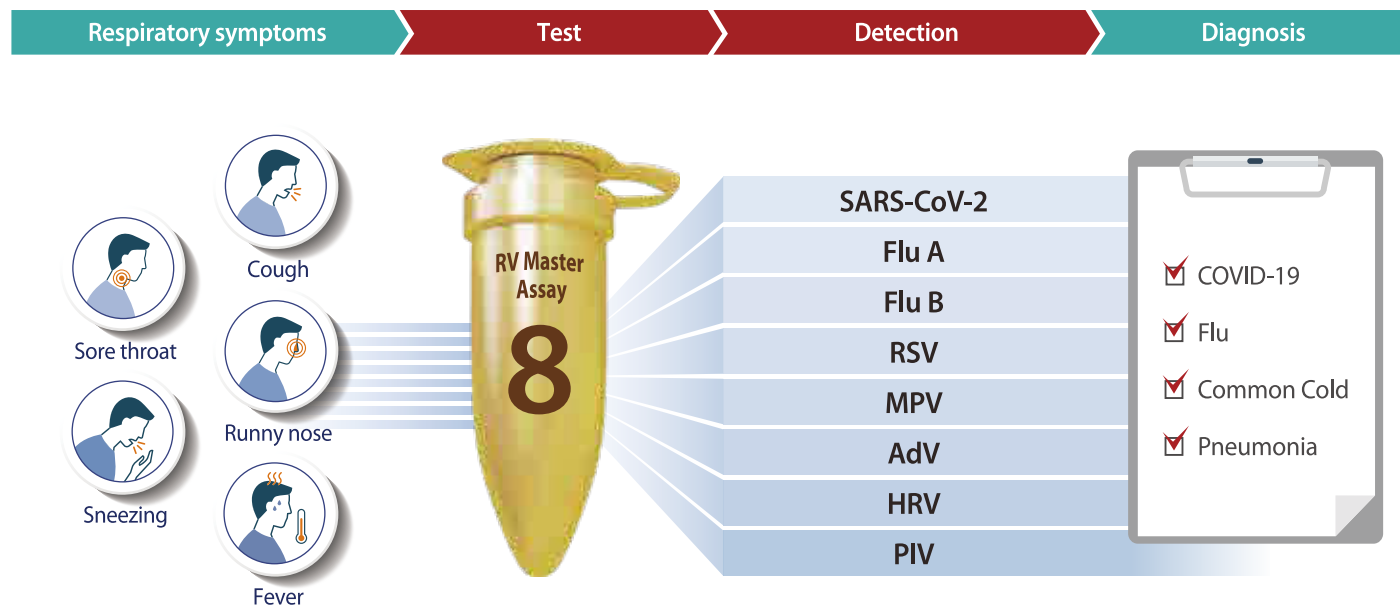
In recent years, the incidence of diseases caused by respiratory viruses has increased.

Respiratory virus diseases and coronavirus are difficult to distinguish by simple symptoms, and the importance of comprehensive testing solutions that can test respiratory viruses and SARS-CoV-2 at once is increasing.

## The Only One Tube You Need to LIVE WITH COVID-19

Allplex™ RV Master Assay is Seegene's comprehensive respiratory testing solution.

Accurate and rapid identification of various major respiratory viruses (Flu A, Flu B, RSV, MPV, AdV, HRV and PIV), including SARS-CoV-2, enables appropriate prescription and response.



## Key Features and Benefits



### Syndromic Test for Respiratory Viruses

- With Seegene's high multiplex technology, it is possible to test 8 types of respiratory viruses, including SARS-CoV-2 in a single tube.



### Mass Screening

- High-throughput suitable for high volume screening.
- 94 specimens can be tested within 3 hours with one test and up to 1,316 specimens can be tested within 12 hours.



### Maximized Efficiency

- Provides efficient workflow through automation system and maximizes test efficiency by minimizing hands-on time. Automated workflow has greatly improved the safety of operator.

#### Analytes

- SARS-CoV-2 (N/S gene, RdRP gene)
- Influenza A virus (Flu A)
- Influenza B virus (Flu B)
- Human respiratory syncytial virus (RSV)
- Human metapneumovirus (MPV)
- Human adenovirus (AdV)
- Human rhinovirus (HRV)
- Human parainfluenza virus (PIV)

#### Specimens

- Nasopharyngeal aspirate
  - Nasopharyngeal swab
  - Bronchoalveolar lavage
  - Oropharyngeal (throat) swab\*
- (\* Validated with SARS-CoV-2 only)

#### Compatible Instrumentation (CE-IVD Marked)

- **Automated Extraction & PCR Setup**  
Seegene NIMBUS  
Seegene STARlet
- **Automated Extraction**  
NucliSENS® easyMAG®  
SEEPREP32™  
Maelstrom™ 9600  
MagNA Pure 96  
KingFisher™ Flex
- **Real-time PCR**  
CFX96™ Dx

## Streamlined Automated System



## Kick your Real-time PCR up a notch !

With Seegene's core technologies and proprietary know-hows, enhance your MDx products with incomparable performance and usability.



### Oligo Design

Oligo design technology for high multiplex PCR: SG-Insilico™

Enables rapid designing of high multiplex oligos using Seegene-developed algorithms and confidential variables



### Amplification

Highly specific amplification technology for high multiplex PCR: DPO™

Allows the implementation of high multiplex diagnostics with unparalleled specificity using Seegene's unique primer structure



### Target Detection

High multiplex target detection technology: TOCE™

Achieves accurate target signals by independently controlling multiple target signals for primer and probe annealing temperatures



### Quantitative Detection

High multiplex target detection & quantification technology: MuDT™

Broadens capacity for high multiplex target detection & quantification by enabling analysis of multiple Ct values in a single detection channel



### Interpretation

High multiplex signal processing technology: DSP™

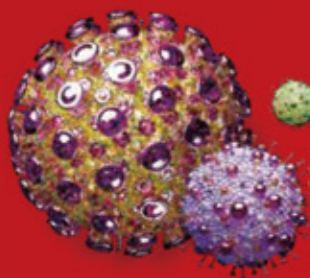
Enables accurate reporting of target's positive or negative results through Seegene's proprietary signal processing algorithms

## Ordering Information

Product	Volume	Cat. No.
<b>Allplex™ RV Master Assay</b>	50 rxns	RV10308Y
	100 rxns*	RV10307X
<b>Instrument</b>		
		Cat. No.
CFX96™ Dx ( 2 modules)	184007-FVD & 184100-FVD	
Seegene NIMBUS		65415-03
Seegene STARlet		67930-03
SEEPREP32™		5G7130
Maelstrom™ 9600		18600
STARMag 96 X 4 Universal Cartridge kit*		744300-4L/C384
STARMag 96 x 4 Viral DNA/RNA 200 C kit*		E100013C
STARMag 96 ProPrep™**		E100009P
		E100009T
STARMag 96 ProPrep C™**		E100017P
		E100017T
TANBEAD® Nucleic Acid Extraction kit***		
OpSPure Viral Auto Tube		W86556
OpSPure Viral Auto Plate		W86554G
OpSPure Viral Bulk Plate		W865510

\* For use with Seegene NIMBUS and Seegene STARlet only.

\*\* For use with SEEPREP32™, \*\*\* For use with Maelstrom™ 9600



**all** Allplex™

## RV Master Assay

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